

AMENDMENTS TO THE CLAIMS

In the claims, please make the following amendments:

1. (Currently Amended) An improved liquid sampling device comprising:
 - an elongate, substantially cylindrical conduit member having first and second conduit ends;
 - a first conduit member terminus;
 - a second conduit member terminus, said second conduit member terminus being shaped to generally define a second convex dome extending outwardly from said conduit member at said second conduit end, said second convex dome portion of said second conduit member terminus being substantially centered on the longitudinal axis of symmetry of said conduit member, said second conduit member terminus having an in-take orifice defined therethrough and a valve member for valving passage of fluid through said in-take orifice; and
 - a flow control insert having a flow control orifice and being sized and shaped for snug, telescopic nested engagement with said in-take orifice such that all flow continuously enters or exits said device exclusively via said flow control orifice, said flow control orifice having a cumulatively lesser cross section than said intake orifice.

2. (Original) The apparatus of Claim 1 wherein said first conduit member terminus is shaped to generally define a first convex dome extending outwardly from said conduit member at said first conduit end, said first convex dome portion of said first conduit member terminus being substantially centered on the longitudinal axis of symmetry of said conduit member, said convex dome portion having cord attachment means.
3. (Currently Amended) The apparatus of claim 2 wherein said cord attachment means ~~comprises~~ is comprised of first and second attachment orifices defined through said dome portion of said first conduit member terminus and separated by a portion of said dome portion of said first conduit member terminus, whereby a terminal end of an elongate cording member may pass into said apparatus through said first attachment orifice and exit said apparatus through said second attachment orifice whereafter said terminal end of said cording member may be secured to a medial portion of said cording member to secure an attachment between said cording member and said apparatus.
4. (Original) The apparatus of claim 3 further comprising negative buoyancy means for adjusting buoyancy of said apparatus when submersed in liquid.
5. (Currently Amended) The apparatus of claim 1 wherein said first conduit member terminus ~~member~~ is a removable cap-like member having a first nesting lip extending from the circumferential margin of said first convex dome, said first nesting lip being configured for reversibly, slidably and snugly nesting within said conduit member at said

first conduit ~~member~~ end for reversibly attaching said first conduit member terminus ~~member~~ to said conduit member.

6. (Currently Amended) The apparatus of claim 1 wherein said second conduit member terminus ~~member~~ is a removable cap-like member having a second nesting lip extending from the circumferential margin of said second convex dome, said second nesting lip being configured for reversibly, slidably and snugly nesting within said conduit member at said second conduit ~~member~~ end for reversibly attaching said second conduit member terminus ~~member~~ to said conduit member.
7. (Original) The apparatus of claim 1 wherein said in-take orifice is defined by said second convex dome whereby said in-take orifice is centered on an axis of symmetry of said second convex dome.
8. (Original) The apparatus of claim 1, wherein said flow control insert further comprises means for filtering particulates.
9. (Original) The apparatus of claim 8 further comprising negative buoyancy means for adjusting buoyancy of said apparatus when submersed in liquid.
10. (Currently Amended) The apparatus of claim 2 wherein said first conduit member terminus ~~member~~ is a removable cap-like member having a first nesting lip extending from the circumferential margin of said first convex dome, said first nesting lip being

configured for reversibly, slidably and snugly nesting within said conduit member at said first conduit ~~member~~ end for reversibly attaching said first conduit member terminus ~~member~~ to said conduit member.

11. (Currently Amended) The apparatus of claim 2 wherein said second conduit member terminus ~~member~~ is a removable cap-like member having a second nesting lip extending from the circumferential margin of said second convex dome, said second nesting lip being configured for reversibly, slidably and snugly nesting within said conduit member at said second conduit ~~member~~ end for reversibly attaching said second conduit member terminus ~~member~~ to said conduit member.

12. (Original) The apparatus of claim 2 wherein said in-take orifice is defined by said second convex dome whereby said in-take orifice is centered on an axis of symmetry of said second convex dome.

13. (Original) The apparatus of claim 2, wherein said flow control insert further comprises means for filtering particulates.

14. (Original) The apparatus of claim 13 further comprising negative buoyancy means for adjusting buoyancy of said apparatus when submersed in liquid.

15. (Original) The apparatus of claim 2 further comprising negative buoyancy means for adjusting buoyancy of said apparatus when submersed in liquid.

16. (Withdrawn) An improved method for taking a test well sample comprising the steps of:

identifying the recharge rate of a test well;

selecting a bailer apparatus comprising:

an elongate, substantially cylindrical conduit member having first and second conduit ends;

a first conduit member terminus;

a second conduit member terminus, said second conduit member terminus

being shaped to generally define a second convex dome extending outwardly from said conduit member at said second conduit end,

said second convex dome portion of said second conduit member

terminus being substantially centered on the longitudinal axis of symmetry of said conduit member, said second conduit member

terminus having an in-take orifice defined therethrough and a valve member for valving passage of fluid through said in-take orifice;

and

a flow control insert having a flow control orifice and being sized and

shaped for telescopic engagement with said in-take orifice, said

flow control orifice having a cumulatively lesser cross section than said intake orifice;

selection of said flow control insert following determination of an in-take orifice

dimension of said flow control insert which will limit inflow into said

apparatus which at a rate substantially equivalent to said recharge rate;

adding negative buoyancy means to said apparatus to effect a slightly negative buoyancy when said apparatus is placed atop a liquid column substantially of water;

placing said apparatus in a test well to obtain a sample of the contents thereof; and removing said apparatus after said sample is obtained.